

Attachment A

Specification for new CNC Milling Machine*

Machine Type:	Knee mill
Spindle Horsepower Rating:	2 HP Continuous (minimum)
Table Travel (x-axis):	36 in.
Table Travel (y-axis):	12 in.
Quill Travel:	5 in.
Knee Travel (z-axis):	16 in.
Ram travel:	12 in.
Throat Distance (min/max):	6.75/18.75 in.
Table:	
Overall size:	49 x 9 in.
Working surface:	49 x 9 in
T-slots/centers:	3 on 2.5 in. centers
T-slot size:	.625 in.
Height above floor (max):	47.25 in.
Spindle Taper	R8 for R8 collets
Speed Range:	
High (infinitely variable)	500 -4200 RPM
Low:	60-500 RPM
Optional high:	6000 RPM
Power quill feed:	0.0015 in/rev
Manual adjust:	0.003 in/rev 0.006 in/rev
Drilling capacity:	
Power quill feed:	¾ in
Milling capacity (mild steel):	¾ in.
Boring range (mild steel):	6 in dia.
Spindle dia.:	1.875 in.
Quill dia.:	3.375 in.
Positioning:	
Auto (X,Y):	100 ipm
Manual (X,Y):	100 ipm
Feedrate Range (X,Y):	0.1 – 35 ipm
Minimum increment:	0.0001 in.
Other:	
2 Axis Digital Readout, option for 3-Axis readout	
3-Axis Programmable CNC Control	

*Note: Dimensions, speeds and travels given are intended to be nominal values. Minor deviation from given values to allow for a particular manufacturer's model series is allowed.